ABSTRACT

A method of executing instructions in an instruction window including the following actions. Examining the first and second instructions to determine the sources and destinations of the first and second instructions. Setting a written on bit of the first instruction to written on if the destinations of the first and second instructions are the same. Setting a used bit of the first instruction to used if the source of the second instruction is the destination of the first instruction. Determining a priority of the first instruction from the written on and used bits.